
TEST INFORMATION GUIDE

This test information guide provides a summary of concepts that are tested on the multiple-choice examination for the **Power Shovel Operator (Maintenance)** job. This information can be reviewed in combination with the class specification and examination announcement to assist you in preparing for the examination.

I. SAFETY PROCEDURES**(12 Questions)**

Due to the nature of this job, power shovel operators are often exposed to potentially hazardous situations. Therefore, it is necessary for employees in this position to be especially aware of safety practices to avoid injury. Test question topics include the safe use of:

- Potentially dangerous equipment and vehicles;
- Hand and power tools;
- Potentially dangerous chemicals (e.g., gasoline; diesel fuel).

II. MECHANICAL KNOWLEDGE**(12 Questions)**

Employees in this job must have mechanical comprehension skills in order to perform tasks such as preventive maintenance on equipment. Test question topics include:

- Diesel engine mechanics;
- Gasoline engine mechanics;
- Function and operation of simple mechanical systems such as exhaust valves, fuel injection pumps, hydraulic systems, cylinders, tachometers;
- Troubleshooting engine;
- Tools used to perform equipment maintenance.

III. HEAVY EQUIPMENT OPERATION**(26 Questions)**

Operating heavy equipment is the most important part of this job. Heavy equipment includes bulldozers, cranes, tractors, dump trucks, crawlers, etc. The questions in this section test your skill in operating, maintaining and troubleshooting heavy equipment and making simple repairs to equipment. Test question topics include:

- Troubleshooting equipment malfunctions;
- Routine equipment maintenance;
- Proper and safe operation of various pieces of heavy equipment (e.g., crane, tractor, crawler).